Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

CNL-19-105

October 10, 2019

10 CFR 50.90

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Watts Bar Nuclear Plant, Units 1 and 2
Facility Operating Licenses No. NPF-90 and NPF-96
Docket Nos. 50-390 and 391

Subject: **Supplemental Response to Second-Round NRC Request for Additional Information Regarding Application to Revise Technical Specifications Regarding DC Electrical Systems TSTF-500, Revision 2 (WBN-TS-18-09) (EPID L-2018-LLA-0494)**

References:

1. TVA letter to NRC, CNL-18-118, "Application to Revise Technical Specifications Regarding DC Electrical Systems TSTF-500, Revision 2, 'DC Electrical Rewrite - Update to TSTF -360' (WBN-TS-18-09)," dated November 29, 2018 (ML18334A389)
2. NRC Electronic Mail to TVA, "Watts Bar Nuclear Plant - Final Request for Additional Information Related to Application to Revise Technical Specifications Regarding DC Electrical Systems TSTF-500, Revision 2 (EPID L-2018-LLA-0494)" dated May 3, 2019 (ML19011A349)
3. TVA letter to NRC, CNL-19-056, "Response to NRC Request for Additional Information Regarding Application to Revise Technical Specifications Regarding DC Electrical Systems TSTF-500, Revision 2, 'DC Electrical Rewrite - Update to TSTF -360' (WBN-TS-18-09)," dated June 7, 2019 (ML19158A394)
4. NRC electronic mail to TVA, "Watts Bar Nuclear Plant - Second-Round Request for Additional Information Related to Application to Revise Technical Specifications Regarding DC Electrical Systems, TSTF-500, Revision 2 (EPID L-2018-LLA-0494)," dated August 2, 2019 (ML19218A030)
5. TVA letter to NRC, CNL-19-062, "Response to Second-Round NRC Request for Additional Information Regarding Application to Revise Technical Specifications Regarding DC Electrical Systems TSTF-500, Revision 2, 'DC lectrical Rewrite - Update to TSTF -360' (WBN-TS-18-09)," dated September 4, 2019 (ML19247C981)

In Reference 1, TVA submitted a request for an amendment to the technical specifications (TS) for Watts Bar Nuclear Plant (WBN), Units 1 and 2. The proposed amendment revises TS requirements related to direct current (DC) electrical systems in accordance with Technical Specification Task Force (TSTF) Traveler TSTF-500, Revision 2, "DC Electrical Rewrite - Update to TSTF-360."

In Reference 2, the Nuclear Regulatory Commission (NRC) issued a Request for Additional Information (RAI). In Reference 3, TVA provided a response to the NRC RAI. In Reference 4, the NRC issued a second-round RAI. In Reference 5, TVA provided a response to the second-round RAI. However, the WBN Unit 1 TS 3.8.4, "DC Sources – Operating," markup provided in Reference 5 inadvertently omitted the removal of Limiting Condition for Operation (LCO) 3.8.4 Note 2, as was provided in References 1 and 3. Therefore, Enclosure 1 provides a replacement markup of WBN Unit 1 TS page 3.8-24 to reflect the deletion of LCO 3.8.4 Note 2. Enclosure 2 provides a replacement (re-typed) WBN Unit 1 TS page 3.8-24. The revised TS 3.8.4 pages in Enclosures 1 and 2 supersede those provided in Reference 5.

The enclosures to this letter do not change the no significant hazard considerations nor the environmental considerations contained in Reference 1. Additionally, in accordance with 10 CFR 50.91(b)(1), TVA is sending a copy of this letter and the enclosure to the Tennessee Department of Environment and Conservation.

There are no new regulatory commitments associated with this submittal. Please address any questions regarding this request to Kimberly D. Hulvey at (423) 751-3275.

I declare under penalty of perjury that the foregoing is true and correct. Executed on this 10th day of October 2019.

Respectfully,

James T. Polickoski
Director, Nuclear Regulatory Affairs

Enclosures:
1. WBN Unit 1 Technical Specifications 3.8.4, Page 3.8-24 Changes (Marked-up)
2. WBN Unit 1 Technical Specifications 3.8.4, Page 3.8-24 Changes (Re-typed)

cc: (Enclosures)

NRC Regional Administrator – Region II
NRC Project Manager – Watts Bar Nuclear Plant
NRC Senior Resident Inspector – Watts Bar Nuclear Plant
Director, Division of Radiological Health – Tennessee State Department of Environment and Conservation

Enclosure 1

WBN Unit 1 Technical Specifications 3.8.4, Page 3.8-24 Changes (Marked-up)

3.8 ELECTRICAL POWER SYSTEMS

3.8.4 DC Sources - Operating

LCO 3.8.4 ~~Four channels of~~ The Train A and Train B vital DC and ~~four~~ Diesel Generator (DG) DC electrical power subsystems shall be OPERABLE.

----------NOTE~~S~~----------
~~1.~~ Vital Battery V may be substituted for any of the required vital batteries.

~~2. The C-S DG and its associated DC electrical power subsystem may be substituted for any of the required DGs and their associated DC electrical power subsystem.~~

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or two required vital battery charger(s) on one subsystem inoperable.	A.1 Restore battery terminal voltage to greater than or equal to the minimum established float voltage. AND A.2 Verify battery float current ≤ 2 amps. AND A.3 Restore vital battery charger(s) to OPERABLE status.	2 hours Once per 12 hours 7 days
~~A~~B. One vital DC electrical power subsystem inoperable for reasons other than Condition A.	~~A~~B.1 Restore vital DC electrical power subsystem to OPERABLE status.	2 hours
~~B~~C. Required Action and Associated Completion Time of Condition A or B not met.	~~B~~C.1 Be in MODE 3. AND ~~B~~C.2 Be in MODE 5.	6 hours 36 hours

(continued)

Enclosure 2

WBN Unit 1 Technical Specifications 3.8.4, Page 3.8-24 Changes (Re-typed)

3.8 ELECTRICAL POWER SYSTEMS

3.8.4 DC Sources - Operating

LCO 3.8.4 The Train A and Train B vital DC and Diesel Generator (DG) DC electrical power subsystems shall be OPERABLE.

----------NOTE----------
Vital Battery V may be substituted for any of the required vital batteries.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or two required vital battery charger(s) on one subsystem inoperable.	A.1 Restore battery terminal voltage to greater than or equal to the minimum established float voltage. AND A.2 Verify battery float current ≤ 2 amps. AND A.3 Restore vital battery charger(s) to OPERABLE status.	2 hours Once per 12 hours 7 days
B. One vital DC electrical power subsystem inoperable for reasons other than Condition A.	B.1 Restore vital DC electrical power subsystem to OPERABLE status.	2 hours
C. Required Action and Associated Completion Time of Condition A or B not met.	C.1 Be in MODE 3. AND C.2 Be in MODE 5.	6 hours 36 hours

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